

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
455 12TH STREET, S.W.  
WASHINGTON, D.C. 20554

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News media information 202/418-0500

Released: November 6, 2017

## **Report No. 495                      EXPERIMENTAL ACTIONS**

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 8/1/17 to 8/31/17:

- **AT&T SERVICES, INC. WI2XWF 0066-EX-CN-2017**  
New experimental to operate on spot frequencies between 927 MHz and 13.2 GHz for Waveguide testing  
Fixed: Middletown, NJ
- **BOEING COMPANY, THE WI2XZD 0488-EX-CN-2017**  
New experimental to operate in 29500.00 - 30000.00 MHz for testing antennas.  
Mobile: Continental US, Alaska, Hawaii, U.S. Territories
- **BOEING COMPANY, THE WI2XZQ 0511-EX-CN-2017**  
New experimental to operate on 1090.00 MHz for testing CAS.  
Fixed: Portage Des Sioux (St. Charles), MO
- **BOEING COMPANY, THE WJ2XAT 0626-EX-CN-2017**  
New experimental to operate in 4400.00 - 4950.00 MHz for testing aircraft components.  
Mobile: Below 20,000ft AGL, Ridkey Park, PA
- **BOEING COMPANY, THE WJ2XAZ 0656-EX-CN-2017**  
New experimental to operate in 2400.00 - 2482.00 MHz for testing MANET system.  
Fixed: Thurmond (Frederick), MD; Germantown (Montgomery), MD;
- **BOEING COMPANY, THE WJ2XBI 0658-EX-CN-2017**  
New experimental to operate on select frequencies between 130.25 and 131.30 MHz for EME Certificate ground test.  
Fixed: Everett (Snohomish), WA

- **CALIFORNIA POLYTECHNIC STATE UNIVERSITY W12XTI 0297-EX-CN-2016**  
 New experimental to operate on 437.15 and 5840.00 MHz for Cubesat ISX  
 Fixed & Mobile: Nongeostationary Space Orbit; San Luis Obispo (San Luis Obispo), CA
- **CALIFORNIA POLYTECHNIC STATE UNIVERSITY W12XYJ 0341-EX-CN-2017**  
 New experimental to operate on 437.15 MHz to test CubeSat.  
 Mobile: Nongeostationary Space Orbit
- **CITY AND COUNTY OF DENVER WJ2XBQ 0325-EX-CN-2017**  
 New experimental to operate in 5.85-5.925 GHz for vehicle to infrastructure (V2I) demonstration and testing purposes.  
 Fixed: Denver (Denver), CO
- **COMTECH MOBILE DATACOM CORP. W12XVV 0183-EX-CN-2017**  
 New experimental to operate in 1631.50 - 1645.50 and 1646.50 - 1660.50 MHz for testing and demonstration of mobile earth terminals.  
 Mobile: Continental US
- **FUNDAMENTAL HOLDINGS, CORP. WJ2XAS 0615-EX-CN-2017**  
 New experimental to operate in 3500.00 - 3700.00 MHz for testing LTE.  
 Fixed: Divide (Teller), CO
- **GENERAL DYNAMICS WJ2XAL 0399-EX-CN-2017**  
 New experimental to operate on 1575.42 MHz using GPS re-radiator for test support on the combat survival radio program.  
 Fixed: Scottsdale (Maricopa), AZ
- **HARRIS CORPORATION W12XZJ 0343-EX-CN-2017**  
 New experimental to operate on 111.15 MHz and 334.25 MHz for RAILS testing.  
 Fixed: Van Nuys (Van Nuys), CA
- **INTEL CORPORATION W12XZX 0483-EX-CN-2017**  
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.  
 Fixed: San Jose (Santa Clara), CA
- **INTELSAT LICENSE LLC W12XYV 0423-EX-CN-2017**  
 New experimental to operate in 14200.00 - 14470.00 MHz to evaluate and demo static land mobile performances in Ku band.  
 Fixed & Mobile: States of Maryland, Virginia, Florida, North Carolina and Nevada
- **L3 TECHNOLOGIES WJ2XAA 0564-EX-CN-2017**  
 New experimental to operate on select frequencies between 2.00 and 29.95 MHz to calibrate a detection system in HF range.  
 Fixed: Waco (McLennan), TX
- **LOCKHEED MARTIN CORPORATION WJ2XBA 0642-EX-CN-2017**  
 New experimental to operate in 2212.00 - 2297.00 MHz to test Autonomous Appliqué System in 2 GHz band.  
 Mobile: Grand Prairie, TX; Fort Carson, CO; Camp Grayling, MI; Littleton, CO

- **MIMOSA NETWORKS WJ2XAN 0606-EX-CN-2017**  
New experimental to operate in 5850.00 - 6400.00 MHz to test equipment in 6 GHz band.  
Fixed: Carmel Valley (Monterey), CA
- **NORTHWEST NAZARENE UNIVERSITY WI2XPZ 0038-EX-CN-2016**  
New experimental to operate in 1615.00 - 1617.50 MHz for Cube satellite Makersat testing polymers  
for in space 3D manufacturing  
Mobile: Nongeostationary Space Orbit
- **PLANETARY RESOURCES DEVELOPMENT CORPORATION WI2XES 0025-EX-PL-2016**  
New experimental to operate in 401.43 - 401.57 and 8470.00 - 8480.00 MHz for Cubesat experiment  
for Arkyd6  
Mobile: Low Earth Orbit / SSO 10:30 LTDN / 475 km
- **RAYTHEON IDS WJ2XAD 0427-EX-CN-2017**  
New experimental to operate on 9010.00 and 9190.00 MHz to test prototype radar arrays in 9 GHz  
band.  
Fixed: Marlborough (Middlesex), MA
- **RAYTHEON IDS WJ2XAC 0431-EX-CN-2017**  
New experimental to operate on 9010.00 and 9190.00 MHz to test prototype radar arrays in 9 GHz  
band.  
Fixed: Burlington (Middlesex), MA
- **RAYTHEON IDS WJ2XAE 0587-EX-CN-2017**  
New experimental to operate in 9550.00 - 9650.00 MHz to test radar arrays in 9 GHz band.  
Mobile: Devens, MA
- **RAYTHEON IDS WJ2XAF 0588-EX-CN-2017**  
New experimental to operate in 9550.00 - 9650.00 MHz to test prototype radar arrays.  
Mobile: Burlington, MA
- **RAYTHEON IDS WJ2XAG 0590-EX-CN-2017**  
New experimental to operate in 9350.00 - 9450.00 MHz to test radar arrays in 9 GHz band.  
Mobile: Devens, MA
- **RAYTHEON IDS WJ2XAH 0591-EX-CN-2017**  
New experimental to operate in 9350.00 - 9450.00 MHz to test prototype radar arrays.  
Mobile: Marlborough, MA
- **RAYTHEON IDS WJ2XAI 0592-EX-CN-2017**  
New experimental to operate in 9350.00 - 9450.00 MHz to test prototype radar arrays.  
Mobile: Burlington, MA
- **RAYTHEON SAS WI2XZM 0494-EX-CN-2017**  
New experimental to operate on select frequencies between 407.00 and 510.00 MHz for conducting  
radio communication testing.  
Fixed: Oklahoma (Oklahoma), OK

- **SENSUS SPECTRUM LLC WJ2XAO 0425-EX-CN-2017**  
New experimental to operate in 433-435 MHz and 868-870 MHz for unit level, system level and traffic loading tests on smart grid devices.  
Mobile: Morrisville, NC, Indoor lab testing
- **UNIVERSITY OF COLORADO WI2XUE 0071-EX-CN-2017**  
New experimental to operate on 437 MHz for Cubesat MinXSS-2 testing  
Mobile: Space - picosat
- **VIRGINIA EVERYWHERE, LLC DBA ALL POINTS BROADBAND WI2XYZ 0455-EX-CN-2017**  
New experimental to operate in 3550.00 - 3650.00 MHz for LTE testing.  
Fixed: Throughout the State of Virginia